

# Converting Colors

XYZ(34.3419, 61.0910, 27.4607)

Have a look what the booklet for  
XYZ(34.3419, 61.0910, 27.4607)  
contains.

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# Color

**XYZ(34.2739, 60.9618,  
27.4132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36EA77
RGB	54, 234, 119
RGB Percent	21%, 92%, 47%
CMY	0.7882, 0.0823, 0.5333
CMYK	0.77, 0.00, 0.49, 0.08
HSL	142°, 81%, 56%
HSV	142°, 77%, 92%
XYZ	34.2739, 60.9618, 27.4132
YIQ	167.0700, -70.3650, -73.9250

# Conversions

## Conversions Part 2

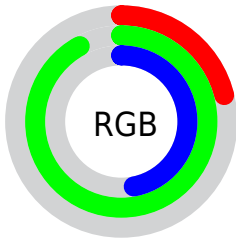
Format	Color
<a href="#">RYB</a>	<a href="#">54, 186, 234</a>
Decimal	<a href="#">3598967</a>
CIELab	<a href="#">82.36, -68.07, 43.29</a>
CIELCh	<a href="#">82, 80.673, 147.543</a>
Yxy	<a href="#">60.9618, 0.2794, 0.4970</a>
Android (android.graphics.Color)	<a href="#">4281789047 (0xFF36EA77)</a>
YUV	<a href="#">167.0700, -23.6985, -99.1624</a>
Hunter-Lab	<a href="#">78.0780, -58.2805, 33.8379</a>

# Details

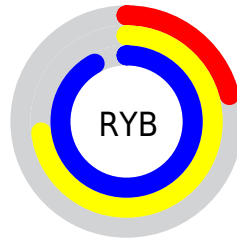
The XYZ color **34.2739, 60.9618, 27.4132** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **42.4141, 22.9964, 39.7411**, and the grayscale version is **36.9025, 38.8243, 42.2797**.

A 20% lighter version of the original color is **52.2049, 79.1263, 52.0566**, and **16.7353, 31.8495, 10.5757** is the 20% darker color. If you saturate the color by 10%, you get **32.4785, 60.1337, 23.0060**, and if you desaturate by 10%, it is **36.8170, 62.1625, 32.5954**.

# Distribution



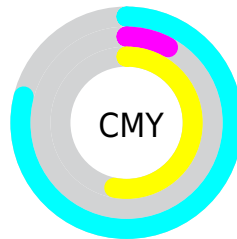
- Red (21%)
- Green (92%)
- Blue (47%)



- Red (21%)
- Yellow (73%)
- Blue (92%)



- Cyan (77%)
- Magenta (0%)
- Yellow (49%)
- Black (8%)




- Cyan (79%)
- Magenta (8%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2739, 60.9618, 27.4132 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.2739, 60.9618, 27.4132 by changing the saturation by 10% instead.





 34.2739, 60.9618,  
27.4132


 34.2739, 60.9618,  
27.4132


312.9161,  
428.1339, 303.4755


 23.2680, 44.1943,  
17.6486


 65.7008, 106.2236,  
56.5580


 14.9133, 30.8233,  
10.5312


 86.8526, 135.4868,  
76.7753

 8.8445, 20.4643,  
5.6424


 112.1170,  
169.6839, 101.3139

 4.6962, 12.7330,  
2.5636

 141.8594,  
209.1995, 130.5923

 2.1030, 7.2450,  
0.8736

176.4451,  
254.4179, 165.0292

 0.6909, 3.6158,  
0.0000

216.2396,

 0.0000, 1.4610,

305.7235, 205.0429

0.0000

261.6081,  
363.5007, 251.0522

■ 0.0000, 0.2611,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.2739, 60.9618,  
27.4132

■ 34.2739, 60.9618,  
27.4132

■ 32.4785, 60.1337,  
23.0060

■ 36.8170, 62.1625,  
32.5954

■ 31.3216, 59.6174,  
19.3303


■ 40.1860, 63.7702,  
38.5844


■ 31.0439, 59.4959,  
18.3386

■ 44.4533, 65.8233,  
45.4151


■ 49.6822, 68.3538,  
53.1192

 55.9297, 71.3904,  
61.7264

 63.2483, 74.9598,  
71.2653

 71.6871, 79.0865,  
81.7629

 81.2917, 83.7937,  
93.2452

 88.4823, 87.2353,  
105.5678

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.9537, 60.9618, 12.8308



34.2739, 60.9618, 27.4132



30.7804, 60.9618, 62.3978

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.2739, 60.9618, 27.4132



56.5357, 60.9618, 213.1264



92.4969, 60.9618, 31.5025

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.2739, 60.9618, 27.4132



42.4141, 22.9964, 39.7411

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.6692, 60.9618, 70.5219



34.2739, 60.9618, 27.4132



74.6226, 60.9618, 190.7797

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.2739, 60.9618, 27.4132



41.9421, 60.9618, 182.6866



90.5733, 60.9618, 131.2991



77.5682, 60.9618, 14.2371



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.2739, 60.9618, 27.4132



31.7801, 60.9618, 99.2198



90.5733, 60.9618, 131.2991



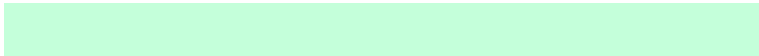
95.5490, 60.9618, 41.7225

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.2754, 60.9643, 27.4146



71.2095, 88.3401, 79.3053



46.8853, 67.7726, 14.1007



14.5818, 18.5868, 16.1007



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.2754, 60.9643, 27.4146



38.6125, 72.6953, 25.3926



42.2084, 64.1375, 69.1891



15.0931, 16.9521, 17.1731



17.4992, 33.4541, 10.5938



1.4188, 2.6448, 1.0670



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.4141, 22.9964, 39.7411



48.7798, 24.6876, 40.3650



36.7376, 20.7258, 9.8494



15.4706, 15.2161, 17.7633



22.2010, 11.0831, 17.3919

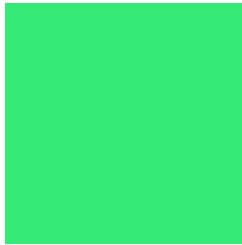


1.7891, 0.8886, 1.6067



# Previews

## White Background



This preview shows how the XYZ color 34.2739, 60.9618, 27.4132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.2739, 60.9618, 27.4132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.2739, 60.9618, 27.4132**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.2739, 60.9618, 27.4132.



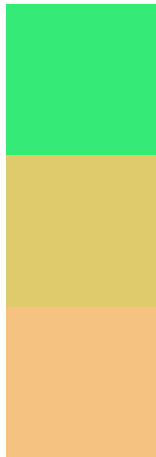
This preview shows how white text looks on a background with the XYZ color 34.2739, 60.9618,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

34.2739, 60.9618, 27.4132

### Protanopia

54.8032, 59.6419, 22.8110

### Deuteranopia

60.9104, 59.5810, 29.0588



## Tritanopia

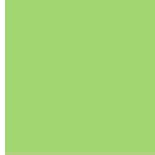
46.9159, 60.7697, 90.9183

# Trichromacy



## Original Color

34.2739, 60.9618, 27.4132



## Protanomaly

41.8715, 56.9444, 24.1137



## Deuteranomaly

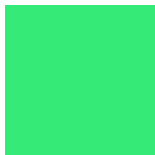
44.4066, 56.3117, 27.9308



## Tritanomaly

40.7930, 60.2641, 61.1119

# Monochromacy



## Original Color

34.2739, 60.9618, 27.4132



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

32.7400, 43.8992, 35.6020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2739, 60.9618, 27.4132 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(54, 234, 119)` looks like.

```
.text, #text, p{  
    color:rgb(54, 234, 119)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(54, 234, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 234, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2739, 60.9618, 27.4132 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(54, 234, 119) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(54, 234, 119) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(54, 234, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(54, 234, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(54, 234, 119); box-shadow:4px 4px 4px 4px rgb(54, 234, 119) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2739, 60.9618, 27.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 234, 119) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(54, 234,  
119) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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